

**IN THE DISTRICT COURT OF THE VIRGIN ISLANDS
DIVISION OF ST. CROIX**

PETRO INDUSTRIAL SOLUTIONS, LLC
(PETRO),

Plaintiff,

vs.

ISLAND PROJECT AND OPERATING
SERVICES, LLC, VITOL US HOLDING II
CO., VITOL VIRGIN ISLANDS CORP,
ANDREW CANNING and OPTIS
EUROPE, LTD.,

Defendants.

CASE NO. 1:21-CV-00312

BREACH OF CONTRACT

JURY TRIAL DEMANDED

**PLAINTIFF PETRO'S SECOND SUPPLEMENTAL RESPONSE TO DEFENDANT
VITOL'S THIRD SET OF INTERROGATORIES**

COMES NOW Plaintiff, PETRO, and provides his Second Supplemental Response to Defendant VITOL's Third Set of Interrogatories as follows:

10. Identify, on a project-by-project or job-by-job basis, all work for which You are claiming lost profits damages in this case. For every job or project identified, identify the following:
- i. the approximate date on which you contend each such job or project would have been awarded to Petro;
 - ii. the approximate date range on which you contend you would have started, completed, and worked on each such job or project;
 - iii. the amount of money you contend IPOS would have paid you for each such job or project;
 - iv. the amount of profit you contend you would have earned on each such job or project; and



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v. all costs and expenses you would have incurred to perform each such job or project, broken down by discrete categories including but not limited to labor, materials, equipment, overhead, and any other costs and expenses.

First Supplemental Response to Interrogatory No. 10:

PROJECT NUMBER	TITLE	UNIT COST	ESTIMATED COST	Projected Award Date	Projected Time frame	Projected Total Amount	Projected Total Cost	Projected Profit
1	MLA Removal in STX	\$55,000	\$55,000	8/1/2021	1 week	\$55,000	\$38,500	\$16,500
2	Replacement of rotating Dolphins at STX	Total is \$97,900 (and includes turning bouys @ \$72,000)	\$97,900	8/1/2021	1 week	\$97,900	\$68,530	\$29,370
3	Replacement Transfer Pumps for STX and STT	1 ea for STT and STX = \$65,000	\$130,000	8/1/2021	2 weeks	\$130,000	\$110,500	\$19,500
4	Replacement 2-way Radios for STX and STT	\$35,000	\$35,000	8/1/2021	3 weeks	\$35,000	\$29,750	\$5,250
5	Replacement Portable Gas Testers for STX and STT	\$10,000	\$10,000	9/1/2021	3 weeks	\$10,000	\$8,500	\$1,500
6	Painting of Control Room at STX and STT	\$40,000	\$40,000	10/1/2021	3 weeks	\$40,000	\$28,000	\$12,000
7	Painting of Pipe at STX and STT	\$360,000	\$360,000	11/1/2021	4 weeks	\$360,000	\$252,000	\$108,000
8	Replacement block valves for Pumps and Tanks at STX and STT	STX & STT Export and Transfer Pumps = \$23,900. Tank Valves = \$617,600	\$641,500	12/1/2021	5 weeks	\$641,500	\$545,275	\$96,225
9	Additional Stainless Steel Gearboxes and Brackets for Manual Valves	\$35,000	\$35,000	12/1/2021	2 weeks	\$35,000	\$29,750	\$5,250
10	Repair of CCTV systems at both STX and STT	\$25,000	\$25,000	9/1/2021	3 weeks	\$25,000	\$17,500	\$7,500
11	Annual Outages at both STX and STT	\$260,000	\$260,000	6/1/2022	2 weeks	\$260,000	\$182,000	\$78,000
12	Annual Boiler Maintenance at both STX and STT	\$110,000	\$110,000	12/1/2021	2 weeks	\$110,000	\$77,000	\$33,000
13	Annual Tank Level Gages Maintenance and Repair	\$70,000	\$70,000	1/1/2022	2 weeks	\$70,000	\$49,000	\$21,000
14	API Tank Inspections for STX and STT	\$190,000	\$190,000	1/1/2022	2 weeks	\$190,000	\$133,000	\$57,000
15	Boiler Feed Pump Replacements for STT and STX	\$20,000	\$20,000	2/1/2022	1 weeks	\$20,000	\$14,000	\$6,000
16	Maintenance of new Security System at STT and STX	\$50,000	\$50,000	1/1/2022	2 weeks	\$50,000	\$35,000	\$15,000
17	Mound settlement repairs at both STT and STX	STX = \$479,100 and STT = \$324,400	\$803,500	11/1/2021	8 weeks	\$803,500	\$562,450	\$241,050
18	Valves and control revision for 'on the fly' switching of Vaporizers	STX = \$130,000 and STT = \$130,000	\$260,000	1/1/2022	9 weeks	\$260,000	\$221,000	\$39,000
19	Dock Hose Emergency Disconnects	STX = \$130,000 and STT = \$295,000	\$295,000	8/1/2021	6 weeks	\$295,000	\$250,750	\$44,250
20	Portable Nitrogen Generator for STX	\$250,000	\$250,000	9/1/2021	8 weeks	\$250,000	\$212,500	\$37,500
21	Stainless Steel Bolts for replacement of rusted bolts in STT and STX	\$100,000	\$100,000	9/1/2021	9 weeks	\$100,000	\$70,000	\$30,000
22	Replacement Grating on Fire Pump platform at STX	\$5,000	\$5,000	3/1/2022	1 week	\$5,000	\$3,500	\$1,500
23	Tank PRV double block and bleed Valves	STX and STT \$20,000	\$40,000	2/1/2022	2 week	\$40,000	\$28,000	\$12,000
24	Maintenance on Export Pump Motors	\$100,000	\$100,000	3/1/2022	3 week	\$100,000	\$70,000	\$30,000
25	Replacement wet end of Fire Pumps at both STT and STX	\$330,000	\$330,000	3/1/2022	4 week	\$330,000	\$231,000	\$99,000
26	Design and installation of Fire Pump test loop at both STT and STX	STX = \$35,000 and STT = \$70,000	\$70,000	4/1/2022	5 week	\$70,000	\$49,000	\$21,000
27	Electrical test equipment	\$9,000	\$9,000	5/1/2022	1 week	\$9,000	\$6,300	\$2,700
28	Purchase of VINCO valves	\$9,000	\$9,000	9/1/2021	8 week	\$9,000	\$7,650	\$1,350
29	Rotork Actuators Annual Service/Repair	\$50,000	\$50,000	9/1/2021	4 week	\$50,000	\$35,000	\$15,000
30	Semi-annual checks on the Nitrogen Generator and Air	\$32,000	\$32,000	5/1/2022	3 week	\$32,000	\$22,400	\$9,600
			\$4,482,900			\$4,482,900	\$3,387,855	\$1,095,045

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Second Supplemental Response to Interrogatory No. 10:

Budget Breakdowns produced and attached hereto as **Bates Nos. PIS006765 –
PIS006813.**

RESPECTFULLY SUBMITTED

LEE J. ROHN AND ASSOCIATES, LLC
Attorneys for Plaintiff

DATED: February 2, 2023

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CERTIFICATE OF SERVICE

THIS IS TO CERTIFY that on February 2, 2023, I caused a true and correct copy of
**PLAINTIFF PETRO'S SECOND SUPPLEMENTAL RESPONSE TO DEFENDANT
VITOL'S THIRD SET OF INTERROGATORIES** to be served via electronic mail upon:

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BY: /s/ Lee J. Rohm (raw)

5/4/2021



Cost Breakdown - STT Vessel Inspection Budget

List of Materials and Costs - Tie-In Scope

Qty.	Description	Cost	Total
1	Equipment / Accommodations	\$27,800.00	\$27,800.00
1	Material	\$675.00	\$675.00
1	Laborer charges	\$54,741.00	\$54,741.00
		Subtotal	\$83,216.00

Profit & Tax rate 15.00%

Profit & Tax Total **\$12,482.40**

Total Amount \$95,698.40

PIS006765



Bid Cost Detail - V105 Inspection

Breakdown of Labor

Petro Labor -	Items
Supervision	\$4,000.00
Safety & Rescue Consulting - 2	\$6,450.00
Rescue Crew - 3	\$9,010.00
Boilermaker - Scaffolding - 8	\$22,578.00
API Inspection - 2	\$4,452.00
Air Quality - 1	\$2,400.00
Radiation Testing - 1	\$901.00
Per Diem	\$4,950.00
Total	\$54,741.00

Breakdown of Equipment & Materials

Petro - Equipment Cost -	Items	Unit Price	Unit	Total Price
Flights	13	\$300.00	Each	\$3,900.00
Telehandler	1	\$4,400.00	Job	\$4,400.00
Car Rentals	4	\$625.00	Weekly	\$2,500.00
Hotels - 13 people	13	\$1,000.00	Weekly	\$13,000.00
Scaffolding	1	\$2,500.00	Job	\$2,500.00
Compressor & Fan	1	\$1,500.00	Job	\$1,500.00
Total				\$27,800.00

Petro - Materials Cost -	Items	Unit Price	Unit	Total Price
Material - (Electrical Scope Only)	0			\$0.00
Material - Consumables	1	\$675.00		\$675.00
Material - (Instrumentation Only)	0			\$0.00
Material - Structure	0			\$0.00
Material - Nitrogen Bottles	0			\$0.00
Total				\$675.00



5/4/2021

Cost Breakdown - STX Vessel Inspection Budget

List of Materials and Costs - Vessel

Qty.	Description	Cost	Total
1	Equipment / Accommodations	\$14,850.00	\$14,850.00
1	Material	\$675.00	\$675.00
1	Laborer charges	\$51,291.00	\$51,291.00
	Subtotal		\$66,816.00

Profit & Tax rate 15.00%

Profit & Tax Total **\$10,022.40****Total Amount \$76,838.40**

List of Materials and Costs - Training for Rescue and Confined Space

Qty.	Description	Cost	Total
1	Equipment / Accommodations	\$ 1,300.00	\$ 1,300.00
1	Material	\$150.00	\$ 150.00
1	Laborer charges	\$ 9,128.00	\$ 9,128.00
	Subtotal		\$ 10,578.00

Profit & Tax rate 15.00%

Profit & Tax Total **\$1,586.70****Total Amount \$ 12,164.70****Grand Total \$89,003.10**

PIS006767



Bid Cost Detail - Vessel Inspection STX

Breakdown of Labor

Petro Labor -	Items
Supervision	\$4,000.00
Safety & Rescue Consulting - 2	\$6,450.00
Rescue Crew - 3	\$9,010.00
Boilermaker - Scaffolding - 8	\$22,578.00
API Inspection - 2	\$4,452.00
Air Quality - 1	\$2,400.00
Radiation Testing - 1	\$901.00
Per Diem	\$1,500.00
Total	\$51,291.00

Breakdown of Equipment & Materials

Petro - Equipment Cost -	Items	Unit Price	Unit	Total Price
Flights	4	\$300.00	Each	\$1,200.00
Telehandler	1	\$4,400.00	Job	\$4,400.00
Car Rentals	2	\$625.00	Weekly	\$1,250.00
Hotels - 4 people	4	\$1,000.00	Weekly	\$4,000.00
Scaffolding	1	\$2,500.00	Job	\$2,500.00
Compressor & Fan	1	\$1,500.00	Job	\$1,500.00
Total				\$14,850.00

Petro - Materials Cost -	Items	Unit Price	Unit	Total Price
Material - (Electrical Scope Only)	0			\$0.00
Material - Consumables	1	\$675.00		\$675.00
Material - (Instrumentation Only)	0			\$0.00
Material - Structure	0			\$0.00
Material - Nitrogen Bottles	0			\$0.00
Total				\$675.00



6/10/2021

Cost Breakdown - Budgetary Estimate - STX Painting 2021 - Jetty to North Mound

List of Materials and Costs

Qty.	Description	Cost	Total
1	Equipment		\$0.00
1	Material	\$4,240.00	\$4,240.00
1	Laborer charges	\$42,400.00	\$42,400.00
	Subtotal		\$46,640.00
	Profit & Tax rate		15.00%
	Profit & Tax Total		\$6,996.00
	Total Amount		\$53,636.00

Work Scope

- 1) Mobilization of equipment and material.
- 2) IPOS to provide required work permits.
- 3) Manually sanding piping while-in-service to create an anchor profile of approximately 1.5 to 2.0MIL.
- 4) Piping consist of 6"-PLG1, 1"-RE1 and 4"-LPG8 from Temporary Hose Connection to Storage Vessel Valve northside of North Mound.
- 5) Apply a bottom coat primer followed by a two part epoxy coating system.
- 6) QC all work and return to client.



Bid Cost Detail

Breakdown of Labor

Petro Labor -	Items
Supervision	\$0.00
QC & Safety	\$0.00
Firewatch	\$0.00
Painters	\$42,400.00
Plumber	\$0.00
Electrical	\$0.00
Per Diem	\$0.00
Total	\$42,400.00

Breakdown of Equipment & Materials

Petro - Equipment Cost		Unit Price	Unit	Total Price
Backhoe	0	\$95.00	Hourly	\$0.00
Backhoe w/hammer	0	\$185.00	Hourly	\$0.00
Rebar Bender	0	\$450.00	Weekly	\$0.00
Compactor	0	\$650.00	Weekly	\$0.00
Flights	0	\$250.00	Flight	\$0.00
Hotels	0	\$600.00	Crew	\$0.00
Vehicle Rental	0	\$125.00	Daily	\$0.00
Misc Equipment/Tools	0	\$250.00	Weekly	\$0.00
Total				\$0.00

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Concrete	0	\$1,816.00		\$0.00
Material - Plumbing	0	\$3,426.00		\$0.00
Material - Electrical	0	\$1,124.88		\$0.00
Material - Paint	1	\$3,533.33		\$3,533.33
Material - Consumables	1	\$706.67		\$706.67
Total				\$4,240.00



6/10/2021

Cost Breakdown - Budgetary Estimate - STT Painting 2021 - North Mound

List of Materials and Costs

Qty.	Description	Cost	Total
1	Equipment	\$5,800.00	\$5,800.00
1	Material	\$3,710.00	\$3,710.00
1	Laborer charges	\$42,350.00	\$42,350.00
	Subtotal		\$51,860.00
	Profit & Tax rate		15.00%
	Profit & Tax Total		\$7,779.00
	Total Amount		\$59,639.00

Work Scope

- 1) Mobilization of equipment and material.
- 2) IPOS to provide required work permits.
- 3) Manually sanding piping while-in-service to create an anchor profile of approximately 1.5 to 2.0MIL.
- 4) Piping consist of all piping on the North Mound.
- 5) Apply a bottom coat primer followed by a two part epoxy coating system.
- 6) QC all work and return to client.



Bid Cost Detail

Breakdown of Labor

Petro Labor -	Items
Supervision	\$0.00
QC & Safety	\$0.00
Firewatch	\$0.00
Painters	\$37,100.00
Plumber	\$0.00
Electrical	\$0.00
Per Diem	\$5,250.00
Total	\$42,350.00

Breakdown of Equipment & Materials

Petro - Equipment Cost		Unit Price	Unit	Total Price
Backhoe	0	\$95.00	Hourly	\$0.00
Backhoe w/hammer	0	\$185.00	Hourly	\$0.00
Rebar Bender	0	\$450.00	Weekly	\$0.00
Compactor	0	\$650.00	Weekly	\$0.00
Flights	2	\$250.00	Flight	\$500.00
Hotels	1	\$3,500.00	Crew	\$3,500.00
Vehicle Rental	1	\$1,800.00	Daily	\$1,800.00
Misc Equipment/Tools	0	\$250.00	Weekly	\$0.00
Total				\$5,800.00

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Concrete	0	\$1,816.00		\$0.00
Material - Plumbing	0	\$3,426.00		\$0.00
Material - Electrical	0	\$1,124.88		\$0.00
Material - Paint	1	\$3,091.67		\$3,091.67
Material - Consumables	1	\$618.33		\$618.33
Total				\$3,710.00



6/10/2021

Cost Breakdown - Budgetary Estimate - STX Painting 2021 - North Mound

List of Materials and Costs

Qty.	Description	Cost	Total
1	Equipment		\$0.00
1	Material	\$5,300.00	\$5,300.00
1	Laborer charges	\$53,000.00	\$53,000.00
		Subtotal	\$58,300.00
		Profit & Tax rate	15.00%
		Profit & Tax Total	\$8,745.00
		Total Amount	\$67,045.00

Work Scope

- 1) Mobilization of equipment and material.
- 2) IPOS to provide required work permits.
- 3) Manually sanding piping while-in-service to create an anchor profile of approximately 1.5 to 2.0MIL.
- 4) Piping consist of all piping on the North Mound.
- 5) Apply a bottom coat primer followed by a two part epoxy coating system.
- 6) QC all work and return to client.



Bid Cost Detail

Breakdown of Labor

Petro Labor -	Items
Supervision	\$0.00
QC & Safety	\$0.00
Firewatch	\$0.00
Painters	\$53,000.00
Plumber	\$0.00
Electrical	\$0.00
Per Diem	\$0.00
Total	\$53,000.00

Breakdown of Equipment & Materials

Petro - Equipment Cost		Unit Price	Unit	Total Price
Backhoe	0	\$95.00	Hourly	\$0.00
Backhoe w/hammer	0	\$185.00	Hourly	\$0.00
Rebar Bender	0	\$450.00	Weekly	\$0.00
Compactor	0	\$650.00	Weekly	\$0.00
Flights	0	\$250.00	Flight	\$0.00
Hotels	0	\$600.00	Crew	\$0.00
Vehicle Rental	0	\$125.00	Daily	\$0.00
Misc Equipment/Tools	0	\$250.00	Weekly	\$0.00
Total				\$0.00

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Concrete	0	\$1,816.00		\$0.00
Material - Plumbing	0	\$3,426.00		\$0.00
Material - Electrical	0	\$1,124.88		\$0.00
Material - Paint	1	\$4,416.67		\$4,416.67
Material - Consumables	1	\$883.33		\$883.33
Total				\$5,300.00



6/10/2021

Cost Breakdown - Budgetary Estimate - STT Painting 2021 - Pump Alley

List of Materials and Costs

Qty.	Description	Cost	Total
1	Equipment	\$4,100.00	\$4,100.00
1	Material	\$1,590.00	\$1,590.00
1	Laborer charges	\$18,150.00	\$18,150.00
	Subtotal		\$23,840.00
	Profit & Tax rate		15.00%
	Profit & Tax Total		\$3,576.00
	Total Amount		\$27,416.00

Work Scope

- 1) Mobilization of equipment and material.
- 2) IPOS to provide required work permits.
- 3) Manually sanding piping while-in-service to create an anchor profile of approximately 1.5 to 2.0MIL.
- 4) Piping consist of all piping in the Pump Alley.
- 5) Apply a bottom coat primer followed by a two part epoxy coating system.
- 6) QC all work and return to client.



Bid Cost Detail

Breakdown of Labor

Petro Labor -	Items
Supervision	\$0.00
QC & Safety	\$0.00
Firewatch	\$0.00
Painters	\$15,900.00
Plumber	\$0.00
Electrical	\$0.00
Per Diem	\$2,250.00
Total	\$18,150.00

Breakdown of Equipment & Materials

Petro - Equipment Cost		Unit Price	Unit	Total Price
Backhoe	0	\$95.00	Hourly	\$0.00
Backhoe w/hammer	0	\$185.00	Hourly	\$0.00
Rebar Bender	0	\$450.00	Weekly	\$0.00
Compactor	0	\$650.00	Weekly	\$0.00
Flights	2	\$250.00	Flight	\$500.00
Hotels	6	\$600.00	Crew	\$3,600.00
Vehicle Rental	0	\$125.00	Daily	\$0.00
Misc Equipment/Tools	0	\$250.00	Weekly	\$0.00
Total				\$4,100.00

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Concrete	0	\$1,816.00		\$0.00
Material - Plumbing	0	\$3,426.00		\$0.00
Material - Electrical	0	\$1,124.88		\$0.00
Material - Paint	1	\$1,325.00		\$1,325.00
Material - Consumables	1	\$265.00		\$265.00
Total				\$1,590.00



6/10/2021

Cost Breakdown - Budgetary Estimate - STX Painting 2021 - Pump Alley

List of Materials and Costs

Qty.	Description	Cost	Total
1	Equipment		\$0.00
1	Material	\$4,770.00	\$4,770.00
1	Laborer charges	\$47,700.00	\$47,700.00
	Subtotal		\$52,470.00
	Profit & Tax rate		15.00%
	Profit & Tax Total		\$7,870.50
	Total Amount		\$60,340.50

Work Scope

- 1) Mobilization of equipment and material.
- 2) IPOS to provide required work permits.
- 3) Manually sanding piping while-in-service to create an anchor profile of approximately 1.5 to 2.0MIL.
- 4) Piping consist of all piping in the Pump Alley.
- 5) Apply a bottom coat primer followed by a two part epoxy coating system.
- 6) QC all work and return to client.



Bid Cost Detail

Breakdown of Labor

Petro Labor -	Items
Supervision	\$0.00
QC & Safety	\$0.00
Firewatch	\$0.00
Painters	\$47,700.00
Plumber	\$0.00
Electrical	\$0.00
Per Diem	\$0.00
Total	\$47,700.00

Breakdown of Equipment & Materials

Petro - Equipment Cost		Unit Price	Unit	Total Price
Backhoe	0	\$95.00	Hourly	\$0.00
Backhoe w/hammer	0	\$185.00	Hourly	\$0.00
Rebar Bender	0	\$450.00	Weekly	\$0.00
Compactor	0	\$650.00	Weekly	\$0.00
Flights	0	\$250.00	Flight	\$0.00
Hotels	0	\$600.00	Crew	\$0.00
Vehicle Rental	0	\$125.00	Daily	\$0.00
Misc Equipment/Tools	0	\$250.00	Weekly	\$0.00
Total				\$0.00

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Concrete	0	\$1,816.00		\$0.00
Material - Plumbing	0	\$3,426.00		\$0.00
Material - Electrical	0	\$1,124.88		\$0.00
Material - Paint	1	\$3,975.00		\$3,975.00
Material - Consumables	1	\$795.00		\$795.00
Total				\$4,770.00



6/10/2021

Cost Breakdown - Budgetary Estimate - STT Painting 2021 - South Mound

List of Materials and Costs

Qty.	Description	Cost	Total
1	Equipment	\$5,800.00	\$5,800.00
1	Material	\$3,710.00	\$3,710.00
1	Laborer charges	\$42,350.00	\$42,350.00
	Subtotal		\$51,860.00
	Profit & Tax rate		15.00%
	Profit & Tax Total		\$7,779.00
	Total Amount		\$59,639.00

Work Scope

- 1) Mobilization of equipment and material.
- 2) IPOS to provide required work permits.
- 3) Manually sanding piping while-in-service to create an anchor profile of approximately 1.5 to 2.0MIL.
- 4) Piping consist of all piping on the South Mound.
- 5) Apply a bottom coat primer followed by a two part epoxy coating system.
- 6) QC all work and return to client.



Bid Cost Detail

Breakdown of Labor

Petro Labor -	Items
Supervision	\$0.00
QC & Safety	\$0.00
Firewatch	\$0.00
Painters	\$37,100.00
Plumber	\$0.00
Electrical	\$0.00
Per Diem	\$5,250.00
Total	\$42,350.00

Breakdown of Equipment & Materials

Petro - Equipment Cost		Unit Price	Unit	Total Price
Backhoe	0	\$95.00	Hourly	\$0.00
Backhoe w/hammer	0	\$185.00	Hourly	\$0.00
Rebar Bender	0	\$450.00	Weekly	\$0.00
Compactor	0	\$650.00	Weekly	\$0.00
Flights	2	\$250.00	Flight	\$500.00
Hotels	1	\$3,500.00	Crew	\$3,500.00
Vehicle Rental	1	\$1,800.00	Monthly	\$1,800.00
Misc Equipment/Tools	0	\$250.00	Weekly	\$0.00
Total				\$5,800.00

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Concrete	0	\$1,816.00		\$0.00
Material - Plumbing	0	\$3,426.00		\$0.00
Material - Electrical	0	\$1,124.88		\$0.00
Material - Paint	1	\$3,091.67		\$3,091.67
Material - Consumables	1	\$618.33		\$618.33
Total				\$3,710.00



6/10/2021

Cost Breakdown - Budgetary Estimate - STX Painting 2021 - South Mound

List of Materials and Costs

Qty.	Description	Cost	Total
1	Equipment	\$0.00	\$0.00
1	Material	\$5,300.00	\$5,300.00
1	Laborer charges	\$53,000.00	\$53,000.00
	Subtotal		\$58,300.00
	Profit & Tax rate		15.00%
	Profit & Tax Total		\$8,745.00
	Total Amount		\$67,045.00

Work Scope

- 1) Mobilization of equipment and material.
- 2) IPOS to provide required work permits.
- 3) Manually sanding piping while-in-service to create an anchor profile of approximately 1.5 to 2.0MIL.
- 4) Piping consist of all piping on the South Mound.
- 5) Apply a bottom coat primer followed by a two part epoxy coating system.
- 6) QC all work and return to client.



Bid Cost Detail

Breakdown of Labor

Petro Labor -	Items
Supervision	\$0.00
QC & Safety	\$0.00
Firewatch	\$0.00
Painters	\$53,000.00
Plumber	\$0.00
Electrical	\$0.00
Per Diem	\$0.00
Total	\$53,000.00

Breakdown of Equipment & Materials

Petro - Equipment Cost		Unit Price	Unit	Total Price
Backhoe	0	\$95.00	Hourly	\$0.00
Backhoe w/hammer	0	\$185.00	Hourly	\$0.00
Rebar Bender	0	\$450.00	Weekly	\$0.00
Compactor	0	\$650.00	Weekly	\$0.00
Flights	0	\$250.00	Flight	\$0.00
Hotels	0	\$600.00	Crew	\$0.00
Vehicle Rental	0	\$125.00	Daily	\$0.00
Misc Equipment/Tools	0	\$250.00	Weekly	\$0.00
Total				\$0.00

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Concrete	0	\$1,816.00		\$0.00
Material - Plumbing	0	\$3,426.00		\$0.00
Material - Electrical	0	\$1,124.88		\$0.00
Material - Paint	1	\$4,416.67		\$4,416.67
Material - Consumables	1	\$883.33		\$883.33
Total				\$5,300.00



6/10/2021

Cost Breakdown - Budgetary Estimate - STT Painting 2021 - Vaporizer Area to Propane Day Tanks to WAPA Units

List of Materials and Costs

Qty.	Description	Cost	Total
1	Equipment	\$11,100.00	\$11,100.00
1	Material	\$5,830.00	\$5,830.00
1	Laborer charges	\$66,550.00	\$66,550.00
	Subtotal		\$83,480.00
	Profit & Tax rate		15.00%
	Profit & Tax Total		\$12,522.00
	Total Amount		\$96,002.00

Work Scope

- 1) Mobilization of equipment and material.
- 2) IPOS to provide required work permits.
- 3) Manually sanding piping while-in-service to create an anchor profile of approximately 1.5 to 2.0MIL.
- 4) Piping consist of all piping in the Vaporizer Area to Propane Day Tanks and to the Units.
- 5) Apply a bottom coat primer followed by a two part epoxy coating system.
- 6) QC all work and return to client.



Bid Cost Detail

Breakdown of Labor

Petro Labor -	Items
Supervision	\$0.00
QC & Safety	\$0.00
Firewatch	\$0.00
Painters	\$58,300.00
Plumber	\$0.00
Electrical	\$0.00
Per Diem	\$8,250.00
Total	\$66,550.00

Breakdown of Equipment & Materials

Petro - Equipment Cost		Unit Price	Unit	Total Price
Backhoe	0	\$95.00	Hourly	\$0.00
Backhoe w/hammer	0	\$185.00	Hourly	\$0.00
Rebar Bender	0	\$450.00	Weekly	\$0.00
Compactor	0	\$650.00	Weekly	\$0.00
Flights	2	\$250.00	Flight	\$500.00
Hotels	2	\$3,500.00	Crew	\$7,000.00
Vehicle Rental	2	\$1,800.00	Monthly	\$3,600.00
Misc Equipment/Tools	0	\$250.00	Weekly	\$0.00
Total				\$11,100.00

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Concrete	0	\$1,816.00		\$0.00
Material - Plumbing	0	\$3,426.00		\$0.00
Material - Electrical	0	\$1,124.88		\$0.00
Material - Paint	1	\$4,858.33		\$4,858.33
Material - Consumables	1	\$971.67		\$971.67
Total				\$5,830.00



6/10/2021

Cost Breakdown - Budgetary Estimate - STX Painting 2021 - Vaporizer Area to Propane Day Tanks

List of Materials and Costs

Qty.	Description	Cost	Total
1	Equipment		\$0.00
1	Material	\$5,830.00	\$5,830.00
1	Laborer charges	\$58,300.00	\$58,300.00
	Subtotal		\$64,130.00
	Profit & Tax rate		15.00%
	Profit & Tax Total		\$9,619.50
	Total Amount		\$73,749.50

Work Scope

- 1) Mobilization of equipment and material.
- 2) IPOS to provide required work permits.
- 3) Manually sanding piping while-in-service to create an anchor profile of approximately 1.5 to 2.0MIL.
- 4) Piping consist of all piping in the Pump Alley.
- 5) Apply a bottom coat primer followed by a two part epoxy coating system.
- 6) QC all work and return to client.



Bid Cost Detail

Breakdown of Labor

Petro Labor -	Items
Supervision	\$0.00
QC & Safety	\$0.00
Firewatch	\$0.00
Painters	\$58,300.00
Plumber	\$0.00
Electrical	\$0.00
Per Diem	\$0.00
Total	\$58,300.00

Breakdown of Equipment & Materials

Petro - Equipment Cost		Unit Price	Unit	Total Price
Backhoe	0	\$95.00	Hourly	\$0.00
Backhoe w/hammer	0	\$185.00	Hourly	\$0.00
Rebar Bender	0	\$450.00	Weekly	\$0.00
Compactor	0	\$650.00	Weekly	\$0.00
Flights	0	\$250.00	Flight	\$0.00
Hotels	0	\$600.00	Crew	\$0.00
Vehicle Rental	0	\$125.00	Daily	\$0.00
Misc Equipment/Tools	0	\$250.00	Weekly	\$0.00
Total				\$0.00

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Concrete	0	\$1,816.00		\$0.00
Material - Plumbing	0	\$3,426.00		\$0.00
Material - Electrical	0	\$1,124.88		\$0.00
Material - Paint	1	\$4,858.33		\$4,858.33
Material - Consumables	1	\$971.67		\$971.67
Total				\$5,830.00



INVOICE

9109 Castle Coakley, Suite 5

Christiansted, VI 00820

(340) 626-7171

BILL TO

Calvin Schmidt

IPOS - STX

csc@vtti.com

St Croix

USVI

INVOICE#

3529

DATE

6/30/2021

CUSTOMER ID

IPOS STX

TERMS

NET30

CUSTOMER PO

N/A

DATE

6/30/2021

DATE	DESCRIPTION	QTY	UNIT PRICE	AMOUNT
6/16/2021	FIRE WATER PUMP - DIESEL ENGINE MECHANIC	8	145.00	1,160.00
	Troubleshooting of Clarke Fire pumpset at WAPA terminal.			-
	Pump was found with remote annunciator			-
	with an active Alarm. The alarm found was "Engine Overspeed "			-
	. After going over Wiring Diagram and performing			-
	a various checks and tests, the signal from the Clark Control box			-
	was found missing. I continued to perform			-
	various tests and found a faulty connection at the Clark			-
	controller box. The Deutsch connector where this signal			-
	goes through is also damaged. I was able to make a good			-
	connection and tested the pumpset with load. Test			-
	result: passed. However, there are a few things that need			-
	further attention. The engine has a "miss". When I			-
	connected to the Engine ECM with the scan tool using a J1939			-
	Protocol, I was able to find a few active codes.			-
	After performing a complete fault code reset, the injector 5			-
	failure (FMI open circuit) code came back as active.			-
	For this to be resolved we need to worst-case scenario replace			-
	that injector and best case repair corroded			-
	connection to injector coil. For this reason, the unit when under			-
	load will load to 109% of load rating.			-
				-
				-
<i>Thank you for your business!</i>		SUBTOTAL		1,160.00
		GRT, EXCISE, & PFT		15.000%
		SUBTOTAL		174.00
		TOTAL	\$	1,334.00

If you have any questions about this PO, please contact

Adrian Melendez at adrian@petroindustrial.us

PIS006787

Recommended actions and Parts:

Fuel injector replacement

Control box replacement (very corroded) if possible, stainless steel.

Valve cover and gasket (very corroded)

After cooler Pipes and hoses (very corroded)

Conduit Pipes from annunciator box to Clarke Box

PM Service

corrosion protection spray every six months.

Battery conduction test

looking into why one of two chargers was not on

clean and replenish electrical connectors with dielectric grease

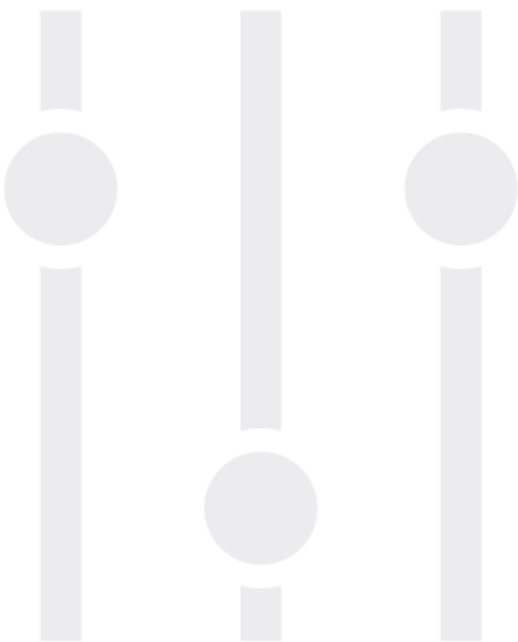
coolant leak repair

Replace temporary style Battery terminals to a crimped type end

which makes it less susceptible to sulfation.

Please note that although the remote annunciator display is an OLED display the sun has damaged the protective outer layer.

I will attach a few pictures taken



PIS006789







PIS006792



PIS006793



QUOTE

9109 Castle Coakley, Suite 5

Christiansted, VI 00820

(340) 626-7171

BILL TO

Calvin & Merlin

IPOS STX

Christiansted

USVI

QUOTE#

1186507

DATE

5/4/2021

CUSTOMER ID

IPOS STX

TERMS

CUSTOMER PO

N/A

DATE

5/4/2021

DATE	DESCRIPTION	QTY	UNIT PRICE	AMOUNT
5/4/2021	GRATING GALVANIZED W/B SERR 1'X 3/16" X 3' X 10' 19W4	3	414.00	1,242.00
	Shipping	1	112.00	112.00
				-
				-
				-
				-
<i>Thank you for your business!</i>			SUBTOTAL	1,354.00
			GRT	15.000%
			SUBTOTAL	203.10
			TOTAL	\$ 1,557.10

If you have any questions about this PO, please contact
Adrian Melendez at adrian@petroindustrial.us

PIS006794

5/4/2021



Cost Breakdown - MLA Removal & Cribbing on Trailer

List of Materials and Costs

Qty.	Description	Cost	Total
1	Equipment	\$34,500.00	\$34,500.00
1	Material	\$4,450.00	\$4,450.00
1	Laborer charges	\$8,692.00	\$8,692.00
		Subtotal	\$47,642.00
		Profit & Tax rate	15.00%
		Profit & Tax Total	\$7,146.30
		Not to Exceed	\$54,788.30

Work Scope - Three day work scope

- 1) Mobilization of equipment and material.
- 2) Request and obtain hot work permit from IPOS.
- 3) Prep area by barricading work areas.
- 4) Lift plan approved by IPOS
- 5) Unbolt and Remove MLA for the jetty on to flatbed with cribbing.
- 6) Remove anchor bolts and re-grout concrete base.
- 7) Move flatbed with MLA to approved location within IPOS STX.
- 8) Good housekeeping and return to operations.



Bid Cost Detail - 2" Nitrogen Line - 225-LPG10

Breakdown of Labor

Petro Labor -	Items
Supervision - Site & Field	\$0.00
Safety	\$530.00
Boilermaker - Rigging & Cribbing	\$5,300.00
Weld & Fit - 2 welders / 1 fitters	\$0.00
Civil - Removal & Grouting	\$2,862.00
PT & PAUT Inspection	\$0.00
Per Diem	\$0.00
Total	\$8,692.00

Breakdown of Equipment & Materials

Petro - Equipment Cost		Unit Price	Unit	Total Price
Manlift	0	\$4,500.00	Monthly	\$0.00
Cranes & Operators	1	\$25,000.00	Job	\$25,000.00
Trailer - Flatbed	1	\$9,500.00	Purchase	\$9,500.00
Welding Machine	0	\$1,100.00	weekly	\$0.00
Total				\$34,500.00

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Pipe Materials - Cold Steel	0	\$7,126.40		\$0.00
Material - Cribbing	1	\$4,200.00		\$4,200.00
Material - Sole Plates	0	\$45.00		\$0.00
Material - Consumables	1	\$250.00		\$250.00
Total				\$4,450.00

5/4/2021



Cost Breakdown - Painting of Control Room - STT

List of Materials and Costs

Qty.	Description	Cost	Total
1	Equipment	\$0.00	\$0.00
1	Material	\$3,822.00	\$3,822.00
1	Laborer charges	\$13,600.00	\$13,600.00
		Subtotal	\$17,422.00
		Profit & Tax rate	15.00%
		Profit & Tax Total	\$2,613.30
		Not to Exceed	\$20,035.30

Work Scope - Two week work scope

- 1) Mobilization of equipment and material.
- 2) Request and obtain hot work permit from IPOS.
- 3) Prep area by barricading work areas.
- 4) Clean & Paint exterior walls of Control Room with approved coating not to include roof.
- 5) Clean & Paint interior walls of Control Room with approved coating not to include major repairs on walls.
- 6) Good housekeeping and return to operations.



Bid Cost Detail

Breakdown of Labor

Petro Labor -	Items
Supervision - Site & Field	\$0.00
Safety	\$0.00
Boilermaker - Rigging & Cribbing	\$13,600.00
Weld & Fit - 2 welders / 1 fitters	\$0.00
Civil - Removal & Grouting	\$0.00
PT & PAUT Inspection	\$0.00
Per Diem	\$0.00
Total	\$13,600.00

Breakdown of Equipment & Materials

Petro - Equipment Cost		Unit Price	Unit	Total Price
Manlift	0	\$4,500.00	Monthly	\$0.00
Cranes & Operators	0	\$25,000.00	Job	\$0.00
Trailer - Flatbed	0	\$9,500.00	Purchase	\$0.00
Welding Machine	0	\$1,100.00	weekly	\$0.00
Total				\$0.00

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Pipe Materials - Cold Steel	0	\$7,126.40		\$0.00
Material - Paint & Consumables	1	\$3,822.00		\$3,822.00
Material - Sole Plates	0	\$45.00		\$0.00
Material - Consumables	0	\$250.00		\$0.00
Total				\$3,822.00

5/4/2021



Cost Breakdown - Painting of Control Room - STX

List of Materials and Costs

Qty.	Description	Cost	Total
1	Equipment	\$0.00	\$0.00
1	Material	\$3,822.00	\$3,822.00
1	Laborer charges	\$13,600.00	\$13,600.00
		Subtotal	\$17,422.00
		Profit & Tax rate	15.00%
		Profit & Tax Total	\$2,613.30
		Not to Exceed	\$20,035.30

Work Scope - Two week work scope

- 1) Mobilization of equipment and material.
- 2) Request and obtain hot work permit from IPOS.
- 3) Prep area by barricading work areas.
- 4) Clean & Paint exterior walls of Control Room with approved coating not to include roof.
- 5) Clean & Paint interior walls of Control Room with approved coating not to include major repairs on walls.
- 6) Good housekeeping and return to operations.



Bid Cost Detail

Breakdown of Labor

Petro Labor -	Items
Supervision - Site & Field	\$0.00
Safety	\$0.00
Boilermaker - Rigging & Cribbing	\$13,600.00
Weld & Fit - 2 welders / 1 fitters	\$0.00
Civil - Removal & Grouting	\$0.00
PT & PAUT Inspection	\$0.00
Per Diem	\$0.00
Total	\$13,600.00

Breakdown of Equipment & Materials

Petro - Equipment Cost		Unit Price	Unit	Total Price
Manlift	0	\$4,500.00	Monthly	\$0.00
Cranes & Operators	0	\$25,000.00	Job	\$0.00
Trailer - Flatbed	0	\$9,500.00	Purchase	\$0.00
Welding Machine	0	\$1,100.00	weekly	\$0.00
Total				\$0.00

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Pipe Materials - Cold Steel	0	\$7,126.40		\$0.00
Material - Paint & Consumables	1	\$3,822.00		\$3,822.00
Material - Sole Plates	0	\$45.00		\$0.00
Material - Consumables	0	\$250.00		\$0.00
Total				\$3,822.00



1/13/2021

Cost Breakdown - Replacement of Propane Day Tank Piping

List of Materials and Costs

Qty.	Description	Cost	Total
1	Equipment	\$466.50	\$466.50
1	Material	\$2,428.96	\$2,428.96
1	Laborer charges	\$10,402.50	\$10,402.50
		Subtotal	\$13,297.96
		Profit & Tax rate	0.00%
		Profit & Tax Total	\$0.00
		Not to Exceed	\$13,297.96

Work Scope

- 1) Mobilization of equipment and material.
- 2) Request and obtain hot work permit from IPOS.
- 3) Prep area by barricading work areas.
- 4) Demo existing piping systems from IPOS propane day tanks.
- 5) Construct 1" piping system from IPOS propane day tanks to agreed Valve. (approximately 45 welds)
- 6) NDE (PT) on all root welds by third party.
- 7) Sand blast and install a two-part epoxy coating for piping systems.
- 8) Hydro Test piping system and commissioning.
- 9) Petro's Q/C to verify Torquing
- 10) Good housekeeping and return to operations.



Bid Cost Detail - 1" Piping - Propane Day Tanks

Breakdown of Labor

Petro Labor -	Items
Supervision - Site & Field	\$1,378.00
QC	\$869.20
Boilermaker - Demo, Hydro, U-bolt, Torque - 2crew	\$1,060.00
Weld & Fit - 2 welders / 1 fitters	\$4,505.00
Blast & Paint - 2crew	\$932.80
PT Inspection	\$795.00
Per Diem	\$862.50
Total	\$10,402.50

Breakdown of Equipment & Materials

Petro - Equipment Cost		Unit Price	Unit	Total Price
Manlift	0	\$4,500.00	Monthly	\$0.00
Boom Truck	0	\$5,500.00	Hourly	\$0.00
Compressor & Sand Pot	0.5	\$933.00	weekly	\$466.50
Welding Machine	0	\$1,100.00	weekly	\$0.00
Total				\$466.50

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Pipe Materials - Cold Steel	1	\$1,885.66		\$1,885.66
Material - Sand & Paint	1	\$450.00		\$450.00
Material - Sole Plates	0	\$45.00		\$0.00
Material - Consumables	1	\$93.30		\$93.30
Total				\$2,428.96



QUOTE

9109 Castle Coakley, Suite 5

Christiansted, VI 00820

(340) 626-7171

BILL TO

Andrew Canning

Vivot/IPOS STT

St Thomas

USVI

QUOTE#

SQ00122376-2

DATE

4/19/2021

CUSTOMER ID

IPOSSTT

TERMS

CUSTOMER PO

N/A

DATE

4/19/2021

DATE	DESCRIPTION	QTY	UNIT PRICE	AMOUNT
4/19/2021	STUD BOLT A193B8 0.75X4.50 W/2 HEAVY HEX NUTS	260	6.50	1,690.00
	STUD BOLT A193B8 0.75X4.75 W/2 HEAVY HEX NUTS	200	10.06	2,012.00
	STUD BOLT A193B8 0.625X3.75 W/2 HEAVY HEX NUTS	120	6.64	796.80
	GASKET SPIRAL WOUND 03 3/600# FLEX GRAPHITE 316 OUTER 316 INNER	40	23.11	924.40
	GASKET SPIRAL WOUND 04 3/600# FLEX GRAPHITE 316 OUTER 316 INNER	30	28.80	864.00
	GASKET SPIRAL WOUND 02 3/600# FLEX GRAPHITE 316 OUTER 316 INNER	20	16.16	323.20
				-
				-
<i>Thank you for your business!</i>		SUBTOTAL		6,610.40
		GRT		15.000%
		SUBTOTAL		991.56
		TOTAL		\$ 7,601.96

If you have any questions about this PO, please contact

Adrian Melendez at adrian@petroindustrial.us

PIS006803



12/3/2020

Cost Breakdown - Reverse Ship Loading Work Scope

List of Materials and Costs

Qty.	Description	Cost	Total
1	Equipment	\$34,490.00	\$34,490.00
1	Material	\$1,500.00	\$1,500.00
1	Laborer charges	\$114,247.20	\$114,247.20
	Subtotal		\$150,237.20
	Profit & Tax rate		0.00%
	Profit & Tax Total		\$0.00
	Total Amount		\$150,237.20

Work Scope

This budget includes 10 weekdays and 4 weekend days working
70hours/week.



Bid Cost Detail

Breakdown of Labor

Petro Labor -	Items
Supervision - 1	\$13,808.80
QC - 1	\$1,738.40
Safety - 2	\$8,420.00
Weld & Fit - 5 people	\$36,008.00
Speciality Welder	\$1,272.00
Boilermaker - STX - 2 people	\$15,800.00
Helpers - 4 people - STT	\$0.00
Boilermaker - Maintenance - 3 people - STT	\$15,900.00
Per Diem	\$21,300.00
Total	\$114,247.20

Breakdown of Equipment & Materials

Petro - Equipment Cost		Unit Price	Unit	Total Price
Forklift - Telehandler	2	\$2,150.00	Weekly	\$4,300.00
Manlift	2	\$2,800.00	Weekly	\$5,600.00
Rebar Bender	0	\$3,600.00	Monthly	\$0.00
Compactor	0	\$650.00	Weekly	\$0.00
Flights	7	\$250.00	Per	\$1,750.00
Hotels - \$150/Night for 2 people (QC & Spec Welder)	4	\$250.00	Daily	\$1,000.00
Hotels - \$150/Night for 8 people	14	\$1,200.00	Daily	\$16,800.00
Vehicle Rental - \$120/day for 3 cars	14	\$360.00	Daily	\$5,040.00
Misc Equipment/Tools	0	\$250.00	Weekly	\$0.00
Total				\$34,490.00

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Bolts, Nuts, & Gaskets	0	\$4,857.12		\$0.00
Material - Seal	0	\$90.00		\$0.00
Material - Civil Material	0	\$613.68		\$0.00
Material - Consumables	1	\$1,500.00		\$1,500.00
Total				\$1,500.00



6/10/2021

Cost Breakdown - Budgetary Estimate - STT Painting 2021 - Jetty to South Mound and North Mound to Boiler Room

List of Materials and Costs

Qty.	Description	Cost	Total
1	Equipment	\$17,900.00	\$17,900.00
1	Material	\$8,480.00	\$8,480.00
1	Laborer charges	\$96,800.00	\$96,800.00
		Subtotal	\$123,180.00
		Profit & Tax rate	15.00%
		Profit & Tax Total	\$18,477.00
		Total Amount	\$141,657.00

Work Scope

- 1) Mobilization of equipment and material.
- 2) IPOS to provide required work permits.
- 3) Manually sanding piping while-in-service to create an anchor profile of approximately 1.5 to 2.0MIL.
- 4) Piping consist of Temporary Hose Connection on the Jetty to Storage Vessel Valve southside of South Mound and North Mound down to the back of the Boiler Room.
- 5) Apply a bottom coat primer followed by a two part epoxy coating system.
- 6) QC all work and return to client.



Bid Cost Detail

Breakdown of Labor

Petro Labor -	Items
Supervision	\$0.00
QC & Safety	\$0.00
Firewatch	\$0.00
Painters	\$84,800.00
Plumber	\$0.00
Electrical	\$0.00
Per Diem	\$12,000.00
Total	\$96,800.00

Breakdown of Equipment & Materials

Petro - Equipment Cost		Unit Price	Unit	Total Price
Backhoe	0	\$95.00	Hourly	\$0.00
Backhoe w/hammer	0	\$185.00	Hourly	\$0.00
Rebar Bender	0	\$450.00	Weekly	\$0.00
Compactor	0	\$650.00	Weekly	\$0.00
Flights	2	\$250.00	Flight	\$500.00
Hotels	1	\$12,000.00	Crew	\$12,000.00
Vehicle Rental	3	\$1,800.00	Montly	\$5,400.00
Misc Equipment/Tools	0	\$250.00	Weekly	\$0.00
Total				\$17,900.00

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Concrete	0	\$1,816.00		\$0.00
Material - Plumbing	0	\$3,426.00		\$0.00
Material - Electrical	0	\$1,124.88		\$0.00
Material - Paint	1	\$7,066.67		\$7,066.67
Material - Consumables	1	\$1,413.33		\$1,413.33
Total				\$8,480.00



5/5/2021

Cost Breakdown - STT Shutdown/Outage Budget

List of Materials and Costs - Maintenance Scope

Qty.	Description	Cost	Total
1	Equipment / Accommodations	\$0.00	\$29,850.00
1	Material	\$0.00	\$551.00
1	Laborer charges	\$0.00	\$84,441.00
Subtotal			\$114,842.00
Profit & Tax rate			15.00%
Profit & Tax Total			\$17,226.30
Total Amount			\$132,068.30

Work Scope - 7 day Shutdown/Outage Budget



Bid Cost Detail - WAPA Shutdown - STT

Breakdown of Labor

Petro Labor - Maintenance Scope	Items
Site Supervision - 1	\$6,478.00
QC & Safety - 1	\$5,135.00
Boilermaker - PSV - 7	\$31,600.00
Maintenance Crew - 3	\$10,428.00
Electrical - 3	\$25,175.00
Per Diem	\$5,625.00
Total	\$84,441.00

Breakdown of Equipment & Materials

Petro - Equipment Cost - Maintenance		Unit Price	Unit	Total Price
PSV Testing Equipment	0	\$52,533.00	Daily	\$0.00
Hotels	7	\$2,600.00	Daily	\$18,200.00
Car Rentals	7	\$625.00	Daily	\$4,375.00
Flights	13	\$300.00	Round Trip	\$3,900.00
Scaffold	1	\$1,125.00	Weekly	\$1,125.00
40ft Manlift	1	\$2,250.00	Weekly	\$2,250.00
Boom Truck	0	\$4,800.00	Weekly	\$0.00
Total				\$29,850.00

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Industrial Fittings - Misc. Material	0	\$0.00		\$0.00
Material - Transportation	0	\$500.00		\$0.00
Material - Consumables	1	\$551.00		\$551.00
Total				\$551.00

STX Outage Budgetary Estimate

STX Vent & Drain system replacement and PSV work scopes

For the tie-in and work isolation and maintenance activities

Suggested work shifts:

- 1 off Project Superintendent	\$19,305.60	
- 4 x 2 man teams comprising:		
- 1 off foreman	\$14,352.00	
- 7 off pipe fitter	\$77,280.00	
- 1 off electrician	\$13,248.00	
- per diem	\$0.00	
		\$104,880.00
 - PSV Recertification (6 days)		
- 2 man scaffold team	\$7,920.00	
- Surface preparation (wet blast) and paint	\$6,969.00	
	<u>\$0.00</u>	
		\$14,889.00
 - Construction/Demo Labour for Drain System Weld Crew - 11 days		
- 1 off Superintendent	\$13,125.00	
- 2 off Welders	\$18,000.00	
- 3 off Fitters	\$22,500.00	
- per diem	\$4,950.00	
- Hotels (\$200/night @ 66nights)	\$13,200.00	
- Vehicles (\$125/day @ 1 vehicles)	\$1,375.00	
- Flights (\$300 round /6 people)	<u>\$1,800.00</u>	
		\$74,950.00
 - Equipment & Consumables		
- Welding Machine (week)	\$1,400.00	
- Telehandler	\$0.00	
- Scaffold	\$650.00	
- Manlift	\$5,550.00	
- Consumables	<u>\$3,855.00</u>	
		<u>\$11,455.00</u>

\$206,174.00

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Cost Breakdown - STX Shutdown/Outage Budget

List of Materials and Costs - Maintenance Scope

Qty.	Description	Cost	Total
1	Equipment / Accommodations	\$0.00	\$3,375.00
1	Material	\$0.00	\$551.00
1	Laborer charges	\$0.00	\$78,816.00
Subtotal			\$82,742.00
Profit & Tax rate			15.00%
Profit & Tax Total			\$12,411.30
Total Amount			\$95,153.30

Work Scope - 7 day Shutdown/Outage Budget



Bid Cost Detail - WAPA Shutdown - STX

Breakdown of Labor

Petro Labor - Maintenance Scope	Items
Site Supervision - 1	\$6,478.00
QC & Safety - 1	\$5,135.00
Boilermaker - PSV - 7	\$31,600.00
Maintenance Crew - 3	\$10,428.00
Electrical - 3	\$25,175.00
Per Diem	\$0.00
Total	\$78,816.00

Breakdown of Equipment & Materials

Petro - Equipment Cost - Maintenance		Unit Price	Unit	Total Price
PSV Testing Equipment	0	\$52,533.00	Daily	\$0.00
Hotels	0	\$200.00	Daily	\$0.00
Car Rentals	0	\$125.00	Daily	\$0.00
Flights	0	\$250.00	Round Trip	\$0.00
Scaffold	1	\$1,125.00	Weekly	\$1,125.00
40ft Manlift	1	\$2,250.00	Weekly	\$2,250.00
Boom Truck	0	\$4,800.00	Weekly	\$0.00
Total				\$3,375.00

Petro- Materials Cost -	Items	Unit Price	Unit	Total Price
Material - Industrial Fittings - Misc. Material	0	\$0.00		\$0.00
Material - Transportation	0	\$500.00		\$0.00
Material - Consumables	1	\$551.00		\$551.00
Total				\$551.00

1. Flare system.

- Flare flame arrestors 270-F-004 and associated temperature transmitter 270-TT-004 & 270-F-005 & 270-TT-005 inspection, clean, TT instrument calibration and high alarm function verification.
- Flare staging valve pressure transmitter calibration. Function verification and calibration of safety critical flare control pressure transmitters 270-PT-001, 270-PT-001A & 270-PT-001B.
- Flare flow transmitter inspection, function test and calibration of 270-FIT-011.
- Flare knock out drum D-271-KOD level transmitter 271-LT-01 and level switch 271-LSH-001 function test, level verification and calibration.

2. Transformer & Electrical distribution system

- Inspection of Services Transformer T-202 jetty area.
- Inspection of Services Transformer T-203 vaporiser area
- Inspection of Fire Pump 13.8 /0.48 kV Transformer T-110 jetty area
- Inspection of WAPA Feeder Supply Transformer T-200
- Inspection of Services Transformer T-201 control room
- Inspection of control room Main Distribution Panel MDP-201 in control room
- Checks on PLC in Control Cabinets at the Mound (these has partial damage during the last hurricane).

3. Pressure and Temperature Relief Valves Calibration & Recertification. (23 off)

- 245-PSV-01 Condensate Accumulator V-245 PSV.
- 240-PSV-01 Steam supply header PSV.
- 241-PSV-01 Vaporiser V-241 PSV.
- 241-PSV-02 Vaporiser V-242 PSV.
- 225-TRV-01 & 07 Propane storage import line temperature relief valve (TRV)
- 231-PSV-01 Propane compressor PSV.
- 221A-PRV-01 & 221B-PRV-01 Export pump PRV.
- 222A-PRV-01 & 222B-PRV-01 Transfer pump PRV.
- 220-PRV-01 Export discharge header PRV.
- 220-PRV-02 Export minimum flow header PRV.
- 220-PRV-03 Export suction header PRV.
- 222-PRV-01 Transfer discharge header PRV.
- 222-PRV-02 Transfer suction header PRV.
- 225-TRV-03 & 225-TRV-09 Transfer pump suction TRV.
- 200-TRV-01 MLA TRV.
- 246-PSV-01 Steam header PSV.
- 244-PSV-01 Fuel gas stage 1 PSV.
- 244-PSV-02 Fuel gas stage 2 PSV.
- 271-PSV-01 Flare header PSV.

4. Boiler Annual Maintenance

- Provide support for Annual Maintenance on Boilers and Deaerator.

5. Flare

- Remove ignitors Clean and Reinstall.